

Amendments to the Claims:

1 – 18 (canceled)

19. (currently amended) A metallic protective layer, consisting essentially of:
11.5 to 20.0 % chromium (wt%);
1.5 % silicon (wt%);
less than 1.0 % aluminum (wt%);
up to 0.7 % (wt%) of at least one metal selected from the group consisting of scandium, yttrium and the rare earth elements; and
remainder iron and production-related impurities.
20. (currently amended) The metallic protective layer as claimed in claim 19, further comprising up to 0.7 % yttrium (wt%) wherein the at least one metal is selected from the group consisting of scandium and the rare earth elements.
21. (currently amended) The metallic protective layer as claimed in claim 20, wherein the metallic protective layer comprisesconsists of:
the chromium content is between 12.5 to 14.0% chromium; by weight, and
the aluminum content is between 0.1 to 0.5% by weightaluminum.
22. (currently amended) A layer system, comprising:
a metallic substrate; and
a metallic protective layer applied and bonded to the substrate by adhesion, comprisingconsisting of:
11.5 to 20.0 % chromium (wt%),
1.5 % silicon (wt%),
less than 1.0 % aluminum (wt%),
up to 0.7 % (wt%) of at least one metal selected from the group consisting of scandium and the rare earth elements, and
remainder iron and production-related impurities.

23. (previously presented) The layer system as claimed in claim 22, wherein the substrate is ceramic or an iron-base, nickel-base or cobalt-base superalloy.

| 24. (currently amended) The layer system as claimed in claim 2322, wherein the metallic protective layer is ferritic.

| 25. (previously presented) The layer system as claimed in claim 24, wherein the metallic protective layer and the substrate are ferritic.

| 26. (currently amended) The layer system as claimed in claim 2522, wherein the layer system is not diffusion treated.

| 27. (previously presented) The layer system as claimed in claim 2625, wherein the coefficients of thermal expansion of the ferritic protective layer and of the ferritic substrate are within 10% of each other.

28. (previously presented) The layer system as claimed in claim 27, wherein the substrate is 1% CrMoV steel or a 10 to 12% chromium steel.

29. (canceled).

30. (previously presented) The layer system as claimed in claim 28, wherein a zirconium oxide based thermal barrier coating is applied to the metallic protective layer to form a turbine component.

31. (previously presented) The layer system as claimed in claim 30, wherein the turbine component is selected from the group consisting of: a turbine blade, a turbine vane, a housing part, a region of a housing, and a combustion chamber lining.

32. (previously presented) The layer system as claimed in claim 31, wherein the protective layer thickness is between 100 μm and 300 μm .

33. (previously presented) The layer system as claimed in claim 32, wherein the layer system is suitable for exposure to a temperature of up to 950°C.

34. (currently amended) A high temperature gas turbine component, comprising:

a ferritic metallic or ceramic substrate; and

a ferritic metallic protective layer ~~comprising~~consisting of:

11.5 to 20.0 % chromium (wt%),

0.3 to 1.5 % silicon (wt%),

less than 1.0 % aluminum (wt%),

up to 0.7 % (wt%) of at least one metal selected from the group consisting of

scandium, yttrium and the rare earth elements, and

remainder iron and impurities, wherein the metallic protective layer is applied and bonded to the substrate by adhesion.

35. (canceled)

36. (currently amended) The component as claimed in claim 3534, wherein the component is selected from the group consisting of: a turbine blade, a turbine vane, a housing part, a region of a housing, and a combustion chamber lining.

37. (currently amended) The component as claimed in claim 3634, wherein the metallic protective layer thickness is between 100 μm and 300 μm .

38. (currently amended) The component as claimed in claim 3734, wherein the metallic protective layer comprises:

12.5 to 14.0% chromium;

0.5 to 1.0% silicon;

0.1 to 0.5% aluminum.